

From: [Kaelin, Lawrence](#)
To: [Turner, Philip](#)
Subject: RE: ELRN inquiry
Date: Friday, February 17, 2017 12:09:43 PM

Philip, according to the spreadsheet Terry attached, about 322 Liters of air, if using NIOSH 6002. LPK.

Lawrence (Larry) Kaelin
US EPA/OSWER OEM/CBRN CMAT
2890 Woodbridge Avenue
Edison, NJ 08837
732-321-6625 (office)
513-675-4751 (cell)
Kaelin.Lawrence@epa.gov

From: Turner, Philip
Sent: Friday, February 17, 2017 12:59 PM
To: Smith, Terry ; Enders, Jhana
Cc: Kaelin, Lawrence ; Kudarauskas, Paul
Subject: Re: ELRN inquiry
Did they give a rough estimate on how much air?

From: Smith, Terry
Sent: Friday, February 17, 2017 11:38 AM
To: Enders, Jhana
Cc: Kaelin, Lawrence; Kudarauskas, Paul; Turner, Philip
Subject: RE: ELRN inquiry
I know. Difficult.

The lab we contacted said they could do it, if enough air sample was collected. . . . but labs say a lot of things.

Terry

-----Original Message-----

From: Enders, Jhana
Sent: Friday, February 17, 2017 12:28 PM
To: Smith, Terry <Smith.Terry@epa.gov>
Cc: Kaelin, Lawrence <Kaelin.Lawrence@epa.gov>; Kudarauskas, Paul <Kudarauskas.Paul@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>
Subject: RE: ELRN inquiry

Also, please remember biggest hurdle is getting down to residential screening level of 0.0002 ppm...and this site had 4 deaths (children). Thanks.

-----Original Message-----

From: Smith, Terry
Sent: Friday, February 17, 2017 11:10 AM
To: Enders, Jhana <Enders.Jhana@epa.gov>

Cc: Kaelin, Lawrence <Kaelin.Lawrence@epa.gov>; Kudarauskas, Paul <Kudarauskas.Paul@epa.gov>
Subject: FW: ELRN inquiry

Hi Jhana:

I know you have been in contact with Larry Kaelin on locating laboratories with capability of analyzing air samples for phosphine. Larry has been in contact with ERT on capability of TAGA, and we can get back with you when we get a response back from ERT folks.

Also, I put out an enquiry through the ERLN to find capable labs. As we were getting feedback from ERLN labs, Eric Koglin with ORD also contacted me on the same issue of finding a lab. I am assuming you are in coordination with ORD on this issue. I sent the attached email to Eric on a lab responding back to our request, and I want to make sure you are getting the same information that is going to ORD. Eric said he would be calling the lab (Joe Brewer with SWRI) to get more information.

I may be getting one or two more responses back from potential ERLN labs, and I will let you know if there is any more information.

In the meantime if there is anything else we can do, please let us know.

Terry Smith
EPA Office of Emergency Management (OEM) WJC North – Room B517 Washington, D.C.
Smith.Terry@epa.gov
202-564-2908 Office
202-503-8981 Cell

-----Original Message-----

From: Brewer, Joseph H. [<mailto:joseph.brewer@swri.org>]
Sent: Friday, February 17, 2017 10:17 AM
To: Smith, Terry <Smith.Terry@epa.gov>
Subject: ELRN inquiry

Mr Smith
attached is the spreadsheet related to the ELRN phosphine request. I apologize for missing the deadline but we had to verify that the required sensitivity could be met. Please call with any questions.
Thank you

Joe Brewer
210 522-5168